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MLUG

| mlog<br>record # | record<br>status | log entry<br>type  | record<br>type  | date    | time     | sequence<br>number | NOT<br>USED | temperature<br>(internal<br>thermister) | elapsed<br>time | ionto<br>voltage | ionto<br>current | sensor A<br>current | sensor A<br>elapsed<br>biosensor<br>time | sensor B<br>current | sensor B<br>elapsed<br>biosensor<br>time | Sweat<br>Reading |
|------------------|------------------|--|---|---------|----------|--------------------|-------------|---|-----------------|------------------|------------------|---------------------|--|---------------------|--|------------------|
| 0                | OK or<br>CORRUPT | 1<br>(IONTO),<br>2 (MBIO),<br>3<br>(ID/ERROR<br>#1, 4<br>(SWEAT) | SHUTDOWN,<br>NEWBAT,<br>START,<br>MBIO,<br>MION,<br>SWEAT | 4/26/00 | 11:54:11 | 32                 | 20.2        | 42.5                                    | 0:00:00         | ---              | ---              | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 1                | OK               | 3  | NEWBAT  | 4/26/00 | 12:56:16 | 32                 | 20.2        | 22.8                                    | 0:00:00         | ---              | ---              | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 2                | OK               | 3  | START   | 4/26/00 | 13:28:41 | 32                 | 20.2        | 27.1                                    | 0:00:00         | ---              | ---              | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 3                | OK               | 2  | MBIO  | 4/26/00 | 13:29:41 | 34                 | 20.4        | 28.1                                    | ---             | ---              | ---              | 3544                | 58                                       | 3612                | 58                                       | ---              |
| 4                | OK               | 2  | MBIO  | 4/26/00 | 13:30:41 | 34                 | 20.4        | 28.6                                    | ---             | ---              | ---              | 2477                | 118                                      | 2532                | 118                                      | ---              |
| 5                | OK               | 1  | MION  | 4/26/00 | 13:30:46 | 34                 | 20.4        | 28                                      | 0:02:06         | -2.2             | 0.02             | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 6                | OK               | 1  | MION  | 4/26/00 | 13:31:46 | 34                 | 20.4        | 28.4                                    | 0:03:06         | -3.2             | 0.02             | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 7                | OK               | 1  | MION  | 4/26/00 | 13:32:41 | 34                 | 20.4        | 28.7                                    | 0:04:01         | -3.2             | 0.02             | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 8                | OK               | 2  | MBIO  | 4/26/00 | 13:34:41 | 42                 | 21.2        | 29.8                                    | ---             | ---              | ---              | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 9                | OK               | 2  | MBIO  | 4/26/00 | 13:36:41 | 42                 | 21.2        | 30.4                                    | ---             | ---              | ---              | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 10               | OK               | 2  | MBIO  | 4/26/00 | 13:38:41 | 42                 | 21.2        | 30.7                                    | ---             | ---              | ---              | 3803                | 359                                      | 4028                | 359                                      | ---              |
| 11               | OK               | 2  | MBIO  | 4/26/00 | 13:40:41 | 42                 | 21.2        | 31                                      | ---             | ---              | ---              | 3358                | 479                                      | 3565                | 479                                      | ---              |
| 12               | OK               | 2  | MBIO  | 4/26/00 | 13:42:41 | 42                 | 21.2        | 31.2                                    | ---             | ---              | ---              | 3054                | 599                                      | 3256                | 599                                      | ---              |
| 13               | OK               | 1  | MION  | 4/26/00 | 13:44:09 | 42                 | 21.2        | 30.7                                    | 0:15:29         | 8.9              | 0.16             | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 14               | OK               | 1  | MION  | 4/26/00 | 13:45:36 | 42                 | 21.2        | 30.9                                    | 0:16:56         | 9.7              | 0.32             | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 15               | OK               | 2  | MBIO  | 4/26/00 | 13:49:41 | 42                 | 21.2        | 31.7                                    | ---             | ---              | ---              | 245                 | 239                                      | 231                 | 239                                      | ---              |
| 16               | OK               | 2  | MBIO  | 4/26/00 | 13:53:41 | 42                 | 21.2        | 31.8                                    | ---             | ---              | ---              | 217                 | 479                                      | 216                 | 479                                      | ---              |
| 17               | OK               | 1  | MION  | 4/26/00 | 13:53:58 | 42                 | 21.2        | 31.2                                    | 0:25:18         | -10.7            | 0.32             | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 18               | OK               | 1  | MION  | 4/26/00 | 13:56:41 | 42                 | 21.2        | 31.6                                    | 0:28:01         | -7.2             | 0.32             | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 19               | OK               | 2  | MBIO  | 4/26/00 | 13:58:41 | 42                 | 21.2        | 32.2                                    | ---             | ---              | ---              | 259                 | 119                                      | 328                 | 119                                      | ---              |
| 20               | OK               | 2  | MBIO  | 4/26/00 | 14:00:41 | 42                 | 21.2        | 32.2                                    | ---             | ---              | ---              | 236                 | 239                                      | 275                 | 239                                      | ---              |
| 21               | OK               | 2  | MBIO  | 4/26/00 | 14:02:41 | 42                 | 21.2        | 32                                      | ---             | ---              | ---              | 216                 | 359                                      | 246                 | 359                                      | ---              |
| 22               | OK               | 2  | MBIO  | 4/26/00 | 14:03:21 | 42                 | 21.2        | 31.9                                    | ---             | ---              | ---              | 212                 | 399                                      | 242                 | 399                                      | ---              |
| 23               | OK               | 2  | MBIO  | 4/26/00 | 14:03:26 | 42                 | 21.2        | 31.9                                    | ---             | ---              | ---              | 212                 | 404                                      | 241                 | 404                                      | ---              |
| 24               | OK               | 4  | SWEAT   | 4/26/00 | 14:03:41 | 35                 | 20.5        | 31.7                                    | 0:35:01         | ---              | ---              | ---                 | ---                                      | ---                 | ---                                      | 0.41485          |
| 25               | OK               | 1  | MION  | 4/26/00 | 14:03:57 | 33                 | 20.3        | 31.2                                    | 0:35:17         | 9                | 0.32             | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 26               | OK               | 1  | MION  | 4/26/00 | 14:06:36 | 33                 | 20.3        | 31.6                                    | 0:37:56         | 7                | 0.32             | ---                 | ---                                      | ---                 | ---                                      | 0.29774          |
| 27               | OK               | 4  | SWEAT   | 4/26/00 | 14:06:51 | 35                 | 20.5        | 31.9                                    | 0:38:01         | ---              | ---              | ---                 | ---                                      | ---                 | ---                                      | ---              |
| 28               | OK               | 2  | MBIO  | 4/26/00 | 14:06:56 | 33                 | 20.3        | 32.1                                    | ---             | ---              | ---              | 879                 | 9  | 728                 | 9  | ---              |
| 29               | OK               | 2  | MBIO  | 4/26/00 | 14:07:01 | 33                 | 20.3        | 32.1                                    | ---             | ---              | ---              | 664                 | 14                                       | 551                 | 14                                       | ---              |
| 30               | OK               | 2  | MBIO  | 4/26/00 | 14:07:11 | 33                 | 20.3        | 32.1                                    | ---             | ---              | ---              | 563                 | 19                                       | 465                 | 19                                       | ---              |
| 31               | OK               | 2  | MBIO  | 4/26/00 | 14:07:11 | 33                 | 20.3        | 32.2                                    | ---             | ---              | ---              | 464                 | 29                                       | 383                 | 29                                       | ---              |
| 32               | OK               | 2  | MBIO  | 4/26/00 | 14:07:21 | 33                 | 20.3        | 32.2                                    | ---             | ---              | ---              | 415                 | 39                                       | 338                 | 39                                       | ---              |

FIG. 1A

|    |    |   |       |         |          |    |      |      |         |      |      |     |     |     |     |     |         |     |
|----|----|---|-------|---------|----------|----|------|------|---------|------|------|-----|-----|-----|-----|-----|---------|-----|
| 33 | OK | 2 | MBIO  | 4/26/00 | 14:07:41 | 33 | 20.3 | 32.2 | ---     | ---  | ---  | --- | 362 | 59  | 297 | 59  | ---     | --- |
| 34 | OK | 2 | MBIO  | 4/26/00 | 14:08:01 | 33 | 20.3 | 32.2 | ---     | ---  | ---  | --- | 331 | 79  | 275 | 79  | ---     | --- |
| 35 | OK | 2 | MBIO  | 4/26/00 | 14:08:41 | 33 | 20.3 | 32.3 | ---     | ---  | ---  | --- | 295 | 119 | 255 | 119 | ---     | --- |
| 36 | OK | 2 | MBIO  | 4/26/00 | 14:08:41 | 33 | 20.3 | 32.4 | ---     | ---  | ---  | --- | 264 | 179 | 239 | 179 | ---     | --- |
| 37 | OK | 2 | MBIO  | 4/26/00 | 14:10:41 | 33 | 20.3 | 32.3 | ---     | ---  | ---  | --- | 245 | 239 | 229 | 239 | ---     | --- |
| 38 | OK | 2 | MBIO  | 4/26/00 | 14:11:41 | 33 | 20.3 | 32.3 | ---     | ---  | ---  | --- | 221 | 299 | 221 | 299 | ---     | --- |
| 39 | OK | 2 | MBIO  | 4/26/00 | 14:13:21 | 33 | 20.3 | 32.2 | ---     | ---  | ---  | --- | 214 | 399 | 216 | 399 | ---     | --- |
| 40 | OK | 2 | MBIO  | 4/26/00 | 14:13:26 | 33 | 20.3 | 32.2 | ---     | ---  | ---  | --- | 213 | 404 | 215 | 404 | ---     | --- |
| 41 | OK | 4 | SWEAT | 4/26/00 | 14:13:31 | 35 | 20.5 | 32   | 0:44:51 | ---  | ---  | --- | --- | --- | --- | --- | 0.1726  | --- |
| 42 | OK | 4 | SWEAT | 4/26/00 | 14:13:41 | 35 | 20.5 | 31.9 | 0:45:01 | ---  | ---  | --- | --- | --- | --- | --- | 0.20463 | --- |
| 43 | OK | 1 | MION  | 4/26/00 | 14:13:57 | 33 | 20.3 | 31.5 | 0:45:17 | -7.8 | 0.32 | --- | --- | --- | --- | --- | ---     | --- |
| 44 | OK | 1 | MION  | 4/26/00 | 14:16:36 | 33 | 20.3 | 31.5 | 0:47:56 | -6.3 | 0.32 | --- | --- | --- | --- | --- | ---     | --- |
| 45 | OK | 4 | SWEAT | 4/26/00 | 14:16:41 | 35 | 20.5 | 31.8 | 0:48:01 | ---  | ---  | --- | --- | --- | --- | --- | 0.31396 | --- |
| 46 | OK | 2 | MBIO  | 4/26/00 | 14:16:51 | 33 | 20.3 | 32   | ---     | ---  | ---  | --- | 688 | 9   | 820 | 9   | ---     | --- |
| 47 | OK | 2 | MBIO  | 4/26/00 | 14:16:56 | 33 | 20.3 | 32   | ---     | ---  | ---  | --- | 510 | 14  | 631 | 14  | ---     | --- |
| 48 | OK | 2 | MBIO  | 4/26/00 | 14:17:01 | 33 | 20.3 | 32   | ---     | ---  | ---  | --- | 427 | 19  | 540 | 19  | ---     | --- |
| 49 | OK | 2 | MBIO  | 4/26/00 | 14:17:11 | 33 | 20.3 | 32   | ---     | ---  | ---  | --- | 348 | 29  | 452 | 29  | ---     | --- |
| 50 | OK | 2 | MBIO  | 4/26/00 | 14:17:21 | 33 | 20.3 | 32   | ---     | ---  | ---  | --- | 309 | 39  | 404 | 39  | ---     | --- |
| 51 | OK | 2 | MBIO  | 4/26/00 | 14:17:41 | 33 | 20.3 | 32   | ---     | ---  | ---  | --- | 271 | 59  | 356 | 59  | ---     | --- |
| 52 | OK | 2 | MBIO  | 4/26/00 | 14:18:01 | 33 | 20.3 | 32.1 | ---     | ---  | ---  | --- | 251 | 79  | 326 | 79  | ---     | --- |
| 53 | OK | 2 | MBIO  | 4/26/00 | 14:18:41 | 33 | 20.3 | 32.1 | ---     | ---  | ---  | --- | 229 | 119 | 293 | 119 | ---     | --- |
| 54 | OK | 2 | MBIO  | 4/26/00 | 14:19:41 | 33 | 20.3 | 32.2 | ---     | ---  | ---  | --- | 213 | 179 | 263 | 179 | ---     | --- |
| 55 | OK | 2 | MBIO  | 4/26/00 | 14:20:41 | 33 | 20.3 | 32.3 | ---     | ---  | ---  | --- | 202 | 239 | 245 | 239 | ---     | --- |
| 56 | OK | 2 | MBIO  | 4/26/00 | 14:21:41 | 33 | 20.3 | 32.3 | ---     | ---  | ---  | --- | 196 | 299 | 229 | 299 | ---     | --- |
| 57 | OK | 2 | MBIO  | 4/26/00 | 14:23:21 | 33 | 20.3 | 32.4 | ---     | ---  | ---  | --- | 194 | 399 | 223 | 399 | ---     | --- |
| 58 | OK | 2 | MBIO  | 4/26/00 | 14:23:26 | 33 | 20.3 | 32.3 | ---     | ---  | ---  | --- | 196 | 404 | 223 | 404 | ---     | --- |
| 59 | OK | 4 | SWEAT | 4/26/00 | 14:23:31 | 35 | 20.5 | 32.1 | 0:54:51 | ---  | ---  | --- | --- | --- | --- | --- | 0.24415 | --- |
| 60 | OK | 4 | SWEAT | 4/26/00 | 14:23:41 | 35 | 20.5 | 32.1 | 0:55:01 | ---  | ---  | --- | --- | --- | --- | --- | 0.21609 | --- |
| 61 | OK | 1 | MION  | 4/26/00 | 14:23:57 | 33 | 20.3 | 31.7 | 0:55:17 | 6.9  | 0.32 | --- | --- | --- | --- | --- | ---     | --- |
| 62 | OK | 1 | MION  | 4/26/00 | 14:26:36 | 33 | 20.3 | 31.8 | 0:57:56 | 6.3  | 0.32 | --- | --- | --- | --- | --- | ---     | --- |
| 63 | OK | 4 | SWEAT | 4/26/00 | 14:28:41 | 35 | 20.5 | 32.2 | 0:58:01 | ---  | ---  | --- | --- | --- | --- | --- | 0.21705 | --- |
| 64 | OK | 2 | MBIO  | 4/26/00 | 14:28:51 | 33 | 20.3 | 32.4 | ---     | ---  | ---  | --- | 787 | 9   | 690 | 9   | ---     | --- |
| 65 | OK | 2 | MBIO  | 4/26/00 | 14:28:56 | 33 | 20.3 | 32.4 | ---     | ---  | ---  | --- | 588 | 14  | 519 | 14  | ---     | --- |
| 66 | OK | 2 | MBIO  | 4/26/00 | 14:27:01 | 33 | 20.3 | 32.4 | ---     | ---  | ---  | --- | 496 | 19  | 439 | 19  | ---     | --- |
| 67 | OK | 2 | MBIO  | 4/26/00 | 14:27:11 | 33 | 20.3 | 32.4 | ---     | ---  | ---  | --- | 410 | 29  | 360 | 29  | ---     | --- |
| 68 | OK | 2 | MBIO  | 4/26/00 | 14:27:21 | 33 | 20.3 | 32.4 | ---     | ---  | ---  | --- | 367 | 39  | 319 | 39  | ---     | --- |
| 69 | OK | 2 | MBIO  | 4/26/00 | 14:27:41 | 33 | 20.3 | 32.5 | ---     | ---  | ---  | --- | 323 | 59  | 281 | 59  | ---     | --- |
| 70 | OK | 2 | MBIO  | 4/26/00 | 14:28:01 | 33 | 20.3 | 32.5 | ---     | ---  | ---  | --- | 296 | 79  | 261 | 79  | ---     | --- |
| 71 | OK | 2 | MBIO  | 4/26/00 | 14:28:41 | 33 | 20.3 | 32.6 | ---     | ---  | ---  | --- | 267 | 119 | 239 | 119 | ---     | --- |
| 72 | OK | 2 | MBIO  | 4/26/00 | 14:29:41 | 33 | 20.3 | 32.7 | ---     | ---  | ---  | --- | 239 | 179 | 223 | 179 | ---     | --- |
| 73 | OK | 2 | MBIO  | 4/26/00 | 14:30:41 | 33 | 20.3 | 32.7 | ---     | ---  | ---  | --- | 221 | 239 | 217 | 239 | ---     | --- |
| 74 | OK | 2 | MBIO  | 4/26/00 | 14:31:41 | 33 | 20.3 | 32.7 | ---     | ---  | ---  | --- | 211 | 299 | 212 | 299 | ---     | --- |
| 75 | OK | 2 | MBIO  | 4/26/00 | 14:33:21 | 33 | 20.3 | 32.9 | ---     | ---  | ---  | --- | 199 | 399 | 205 | 399 | ---     | --- |
| 76 | OK | 2 | MBIO  | 4/26/00 | 14:33:26 | 33 | 20.3 | 32.8 | ---     | ---  | ---  | --- | 198 | 404 | 204 | 404 | ---     | --- |
| 77 | OK | 4 | SWEAT | 4/26/00 | 14:33:31 | 35 | 20.5 | 32.6 | 1:04:51 | ---  | ---  | --- | --- | --- | --- | --- | 0.21801 | --- |

FIG. 1B

| mlog<br>record # | record<br>status | log entry<br>type  | record<br>type  | date    | time     | sequence<br>number | NOT<br>USED | temperature<br>(internal<br>thermister) | elapsed<br>time | ionto<br>voltage | ionto<br>current | sensor A<br>elapsed<br>biosensor<br>time | sensor A<br>current | sensor B<br>elapsed<br>biosensor<br>time | Sweat<br>Reading |
|------------------|------------------|--|---|---------|----------|--------------------|-------------|---|-----------------|------------------|------------------|--|---------------------|--|------------------|
|                  | OK or<br>CORRUPT | (KONTO),<br>2 (MBIO),<br>3 (ID/ERROR<br>#), 4<br>(SWEAT) | SHUTDOWN,<br>NEWBAT,<br>START,<br>MBIO,<br>MION,<br>SWEAT |         |          | 0-47               |             | 17-32.4 C                               |                 |                  |                  |  |                     |  |                  |
| 384              | OK               | 4  | SWEAT   | 4/26/00 | 17:23:41 | 35                 | 20.5        | 32.5                                    | 3:55:01         | ---              | ---              | ---                                      | ---                 | ---                                      | 0.14579          |
| 385              | OK               | 1  | MION  | 4/26/00 | 17:23:57 | 33                 | 20.3        | 32.1                                    | 3:55:17         | 4.5              | 0.32             | ---                                      | ---                 | ---                                      | ---              |
| 386              | OK               | 1  | MION  | 4/26/00 | 17:26:36 | 33                 | 20.3        | 31.7                                    | 3:57:56         | 5.6              | 0.32             | ---                                      | ---                 | ---                                      | 0.09001          |
| 387              | OK               | 4  | SWEAT   | 4/26/00 | 17:26:41 | 35                 | 20.5        | 32                                      | 3:58:01         | ---              | ---              | ---                                      | ---                 | ---                                      | ---              |
| 388              | OK               | 2  | MBIO  | 4/26/00 | 17:26:51 | 33                 | 20.3        | 32.2                                    | ---             | ---              | ---              | 9  | 564                 | 9  | ---              |
| 389              | OK               | 2  | MBIO  | 4/26/00 | 17:26:56 | 33                 | 20.3        | 32.1                                    | ---             | ---              | ---              | 14                                       | 427                 | 14                                       | ---              |
| 390              | OK               | 2  | MBIO  | 4/26/00 | 17:27:01 | 33                 | 20.3        | 32.1                                    | ---             | ---              | ---              | 19                                       | 360                 | 19                                       | ---              |
| 391              | OK               | 2  | MBIO  | 4/26/00 | 17:27:11 | 33                 | 20.3        | 32.1                                    | ---             | ---              | ---              | 29                                       | 297                 | 29                                       | ---              |
| 392              | OK               | 2  | MBIO  | 4/26/00 | 17:27:21 | 33                 | 20.3        | 32                                      | ---             | ---              | ---              | 39                                       | 265                 | 39                                       | ---              |
| 393              | OK               | 2  | MBIO  | 4/26/00 | 17:27:41 | 33                 | 20.3        | 32                                      | ---             | ---              | ---              | 59                                       | 234                 | 59                                       | ---              |
| 394              | OK               | 2  | MBIO  | 4/26/00 | 17:28:01 | 33                 | 20.3        | 31.9                                    | ---             | ---              | ---              | 79                                       | 216                 | 79                                       | ---              |
| 395              | OK               | 2  | MBIO  | 4/26/00 | 17:28:41 | 33                 | 20.3        | 31.8                                    | ---             | ---              | ---              | 119                                      | 194                 | 119                                      | ---              |
| 396              | OK               | 2  | MBIO  | 4/26/00 | 17:29:41 | 33                 | 20.3        | 31.7                                    | ---             | ---              | ---              | 179                                      | 178                 | 179                                      | ---              |
| 397              | OK               | 2  | MBIO  | 4/26/00 | 17:30:41 | 33                 | 20.3        | 31.6                                    | ---             | ---              | ---              | 239                                      | 168                 | 239                                      | ---              |
| 398              | OK               | 2  | MBIO  | 4/26/00 | 17:31:41 | 33                 | 20.3        | 31.6                                    | ---             | ---              | ---              | 299                                      | 158                 | 299                                      | ---              |
| 399              | OK               | 2  | MBIO  | 4/26/00 | 17:33:21 | 33                 | 20.3        | 31.7                                    | ---             | ---              | ---              | 399                                      | 151                 | 399                                      | ---              |
| 400              | OK               | 2  | MBIO  | 4/26/00 | 17:33:26 | 33                 | 20.3        | 31.7                                    | ---             | ---              | ---              | 404                                      | 149                 | 404                                      | ---              |
| 401              | OK               | 4  | SWEAT   | 4/26/00 | 17:33:31 | 35                 | 20.5        | 31.4                                    | 4:04:51         | ---              | ---              | ---                                      | ---                 | ---                                      | 0.09443          |
| 402              | OK               | 4  | SWEAT   | 4/26/00 | 17:33:41 | 35                 | 20.5        | 31.4                                    | 4:05:01         | ---              | ---              | ---                                      | ---                 | ---                                      | 0.09886          |
| 403              | OK               | 1  | MION  | 4/26/00 | 17:33:57 | 33                 | 20.3        | 31.1                                    | 4:05:17         | -4.4             | 0.32             | ---                                      | ---                 | ---                                      | ---              |
| 404              | OK               | 1  | MION  | 4/26/00 | 17:36:36 | 33                 | 20.3        | 31.6                                    | 4:07:56         | -5.3             | 0.32             | ---                                      | ---                 | ---                                      | ---              |
| 405              | OK               | 4  | SWEAT   | 4/26/00 | 17:36:41 | 35                 | 20.5        | 31.9                                    | 4:08:01         | ---              | ---              | ---                                      | ---                 | ---                                      | 0.06199          |
| 406              | OK               | 2  | MBIO  | 4/26/00 | 17:36:51 | 33                 | 20.3        | 32.1                                    | ---             | ---              | ---              | 9  | 513                 | 9  | ---              |
| 407              | OK               | 2  | MBIO  | 4/26/00 | 17:36:56 | 33                 | 20.3        | 32.2                                    | ---             | ---              | ---              | 14                                       | 385                 | 14                                       | ---              |
| 408              | OK               | 2  | MBIO  | 4/26/00 | 17:37:01 | 33                 | 20.3        | 32.2                                    | ---             | ---              | ---              | 19                                       | 323                 | 19                                       | ---              |
| 409              | OK               | 2  | MBIO  | 4/26/00 | 17:37:11 | 33                 | 20.3        | 32.2                                    | ---             | ---              | ---              | 29                                       | 263                 | 29                                       | ---              |
| 410              | OK               | 2  | MBIO  | 4/26/00 | 17:37:21 | 33                 | 20.3        | 32.2                                    | ---             | ---              | ---              | 39                                       | 236                 | 39                                       | ---              |
| 411              | OK               | 2  | MBIO  | 4/26/00 | 17:37:41 | 33                 | 20.3        | 32.3                                    | ---             | ---              | ---              | 59                                       | 208                 | 59                                       | ---              |
| 412              | OK               | 2  | MBIO  | 4/26/00 | 17:38:01 | 33                 | 20.3        | 32.3                                    | ---             | ---              | ---              | 79                                       | 193                 | 79                                       | ---              |
| 413              | OK               | 2  | MBIO  | 4/26/00 | 17:38:41 | 33                 | 20.3        | 32.4                                    | ---             | ---              | ---              | 119                                      | 180                 | 119                                      | ---              |
| 414              | OK               | 2  | MBIO  | 4/26/00 | 17:39:41 | 33                 | 20.3        | 32.5                                    | ---             | ---              | ---              | 179                                      | 169                 | 179                                      | ---              |
| 415              | OK               | 2  | MBIO  | 4/26/00 | 17:40:41 | 33                 | 20.3        | 32.6                                    | ---             | ---              | ---              | 239                                      | 162                 | 239                                      | ---              |
| 416              | OK               | 2  | MBIO  | 4/26/00 | 17:41:41 | 33                 | 20.3        | 32.6                                    | ---             | ---              | ---              | 299                                      | 157                 | 299                                      | ---              |
| 417              | OK               | 2  | MBIO  | 4/26/00 | 17:43:21 | 33                 | 20.3        | 32.6                                    | ---             | ---              | ---              | 399                                      | 151                 | 399                                      | ---              |
| 418              | OK               | 2  | MBIO  | 4/26/00 | 17:43:26 | 33                 | 20.3        | 32.5                                    | ---             | ---              | ---              | 404                                      | 150                 | 404                                      | ---              |
| 419              | OK               | 4  | SWEAT   | 4/26/00 | 17:43:31 | 35                 | 20.5        | 32.3                                    | 4:14:51         | ---              | ---              | ---                                      | ---                 | ---                                      | 0.105            |

FIG. 2

| mglog<br>record # | record<br>status | Date    | Time  | Event<br>Code   | BG<br>Reading | Check Sum |
|-------------------|------------------|---------|-------|---|---------------|-----------|
|                   | OK or<br>CORRUPT |         |       | UNCAL<br>(START),<br>CAL,<br>ERR_,<br>MEAL,<br>SNACK,<br>SLEEP,<br>etc. |               |           |
| 0                 | OK               | 4/26/00 | 13:28 | UNCAL   | 0             | 607       |
| 1                 | OK               | 4/26/00 | 16:43 | CAL   | 65            | 05A0      |
| 2                 | OK               | 4/26/00 | 17:03 | ERR63   | ---           | 072F      |
| 3                 | OK               | 4/26/00 | 17:23 | ERR63   | ---           | 732       |
| 4                 | OK               | 4/26/00 | 17:43 | ERR36   | ---           | 735       |
| 5                 | OK               | 4/26/00 | 18:03 | ERR36   | ---           | 733       |
| 6                 | OK               | 4/26/00 | 18:23 | GL OK   | 193           | 654       |
| 7                 | OK               | 4/26/00 | 18:43 | GL OK   | 166           | 657       |
| 8                 | OK               | 4/26/00 | 19:03 | GL OK   | 146           | 653       |
| 9                 | OK               | 4/26/00 | 19:23 | GL OK   | 148           | 658       |
| 10                | OK               | 4/26/00 | 19:43 | GL OK   | 133           | 067C      |
| 11                | OK               | 4/26/00 | 20:03 | GL OK   | 116           | 672       |
| 12                | OK               | 4/26/00 | 20:23 | GL OK   | 107           | 675       |
| 13                | OK               | 4/26/00 | 20:43 | GL OK   | 109           | 067A      |
| 14                | OK               | 4/26/00 | 21:03 | GL OK   | 95            | 064C      |
| 15                | OK               | 4/26/00 | 21:23 | GL OK   | 92            | 064C      |
| 16                | OK               | 4/26/00 | 21:43 | GL OK   | 79            | 654       |
| 17                | OK               | 4/26/00 | 22:03 | GL OK   | 93            | 064E      |
| 18                | OK               | 4/26/00 | 22:23 | GL OK   | 96            | 654       |
| 19                | OK               | 4/26/00 | 22:43 | GL OK   | 83            | 653       |
| 20                | OK               | 4/26/00 | 22:50 | MODE  | 0             | 5.00E+06  |
| 21                | OK               | 4/26/00 | 22:51 | LOLIM   | 40            | 674       |
| 22                | OK               | 4/26/00 | 23:03 | GL OK   | 90            | 648       |
| 23                | OK               | 4/26/00 | 23:23 | GL OK   | 93            | 064E      |
| 24                | OK               | 4/26/00 | 23:43 | GL OK   | 69            | 654       |
| 25                | OK               | 4/27/00 | 0:03  | ERR63   | ---           | 075D      |
| 26                | OK               | 4/27/00 | 0:23  | ERR63   | ---           | 760       |
| 27                | OK               | 4/27/00 | 0:43  | ERR63   | ---           | 763       |
| 28                | OK               | 4/27/00 | 1:03  | GL OK   | 69            | 651       |
| 29                | OK               | 4/27/00 | 1:23  | GL OK   | 76            | 652       |
| 30                | OK               | 4/27/00 | 1:43  | ERR63   | ---           | 075E      |
| 31                | OK               | 4/27/00 | 2:03  | ERR36   | ---           | 075C      |
| 32                | OK               | 4/27/00 | 2:23  | GL OK   | 85            | 064D      |
| 33                | OK               | 4/27/00 | 2:43  | GL OK   | 73            | 064D      |
| 34                | OK               | 4/27/00 | 3:03  | GL OK   | 84            | 064D      |
| 35                | OK               | 4/27/00 | 3:23  | GL OK   | 80            | 064C      |
| 36                | OK               | 4/27/00 | 3:43  | GL OK   | 89            | 658       |
| 37                | OK               | 4/27/00 | 4:03  | GL OK   | 79            | 655       |
| 38                | OK               | 4/27/00 | 4:23  | GL OK   | 73            | 652       |
| 39                | OK               | 4/27/00 | 4:26  | ENDSEQ  | ---           | 07D9      |

FIG. 3

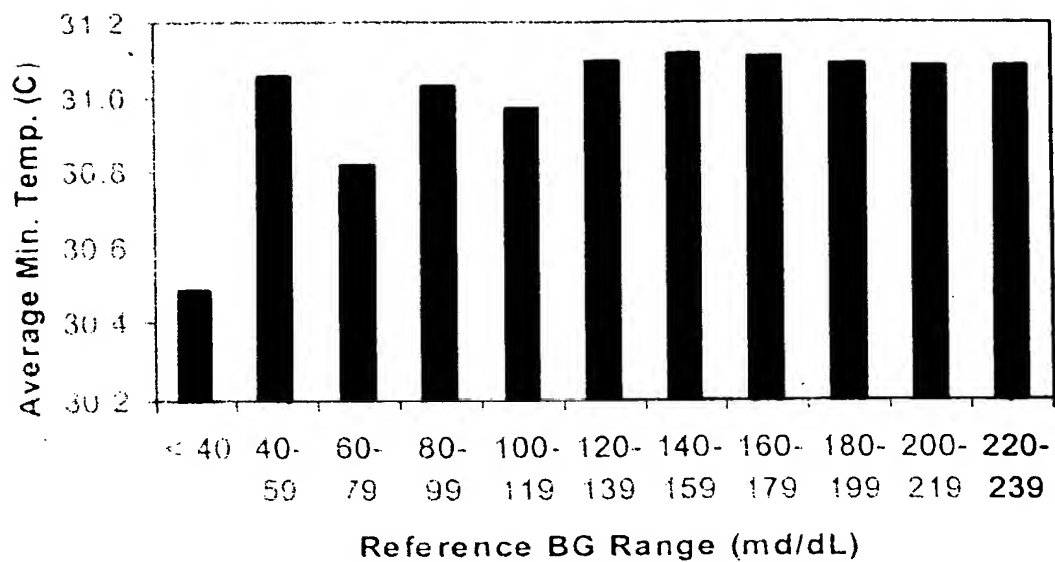


FIG. 4

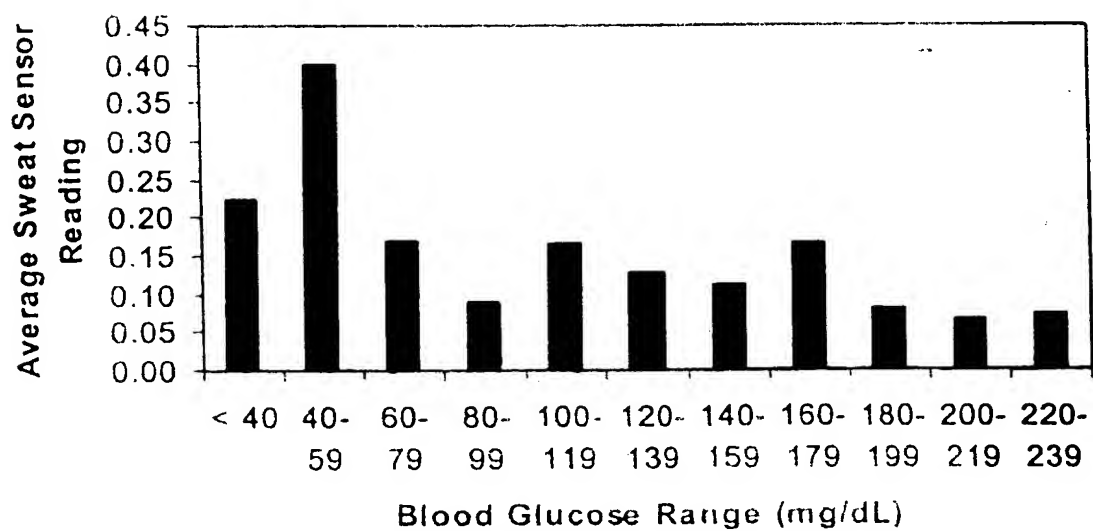


FIG. 5

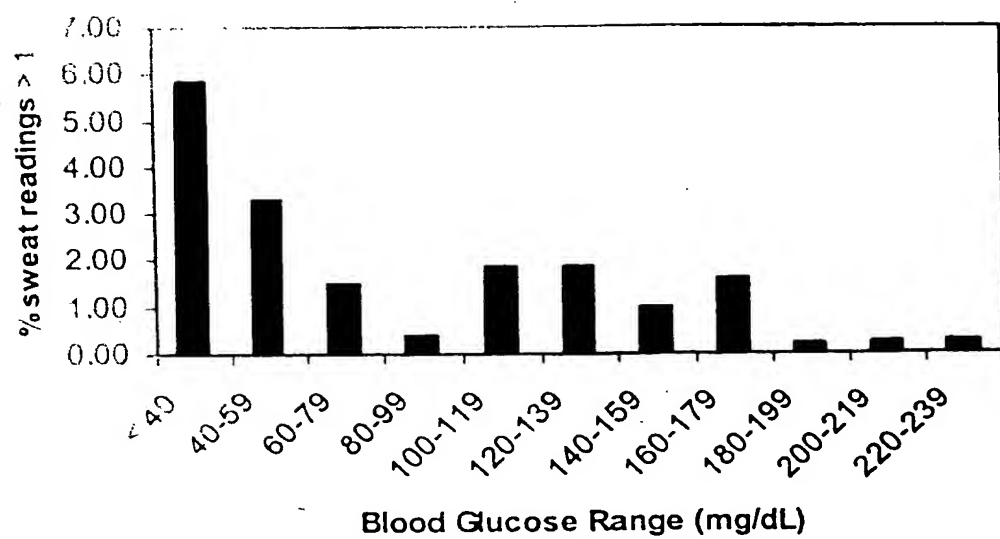
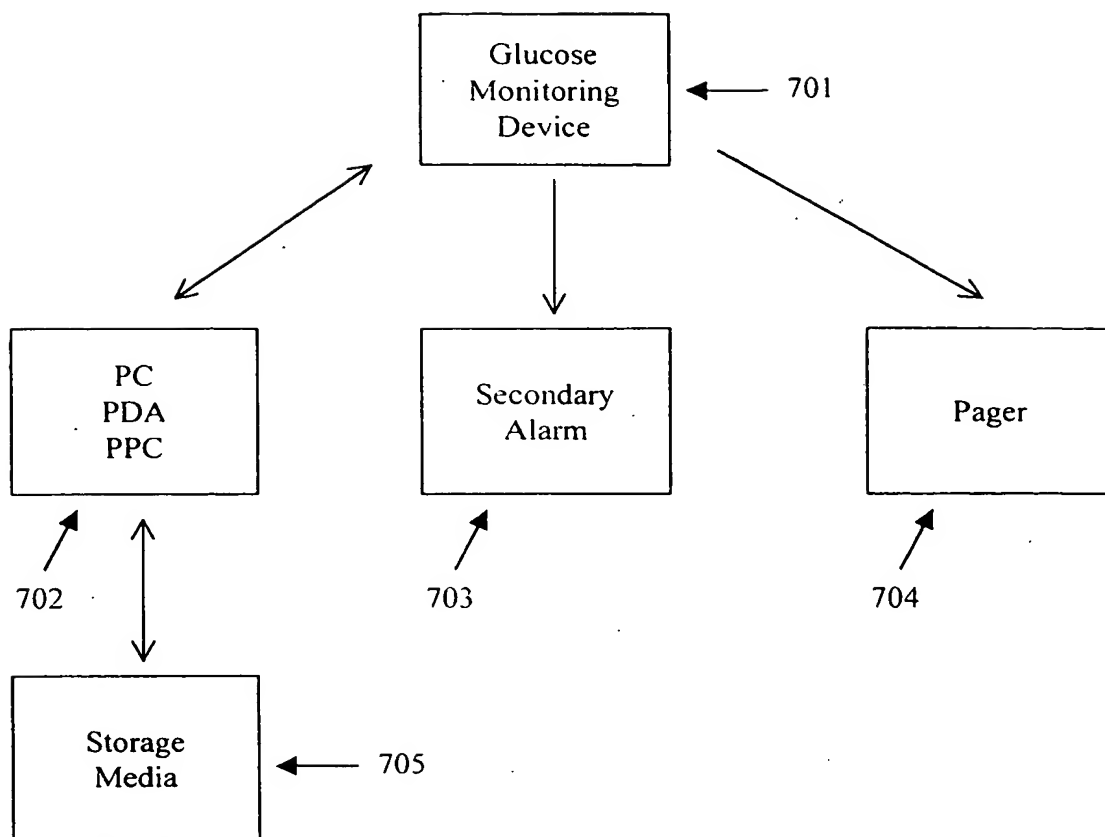
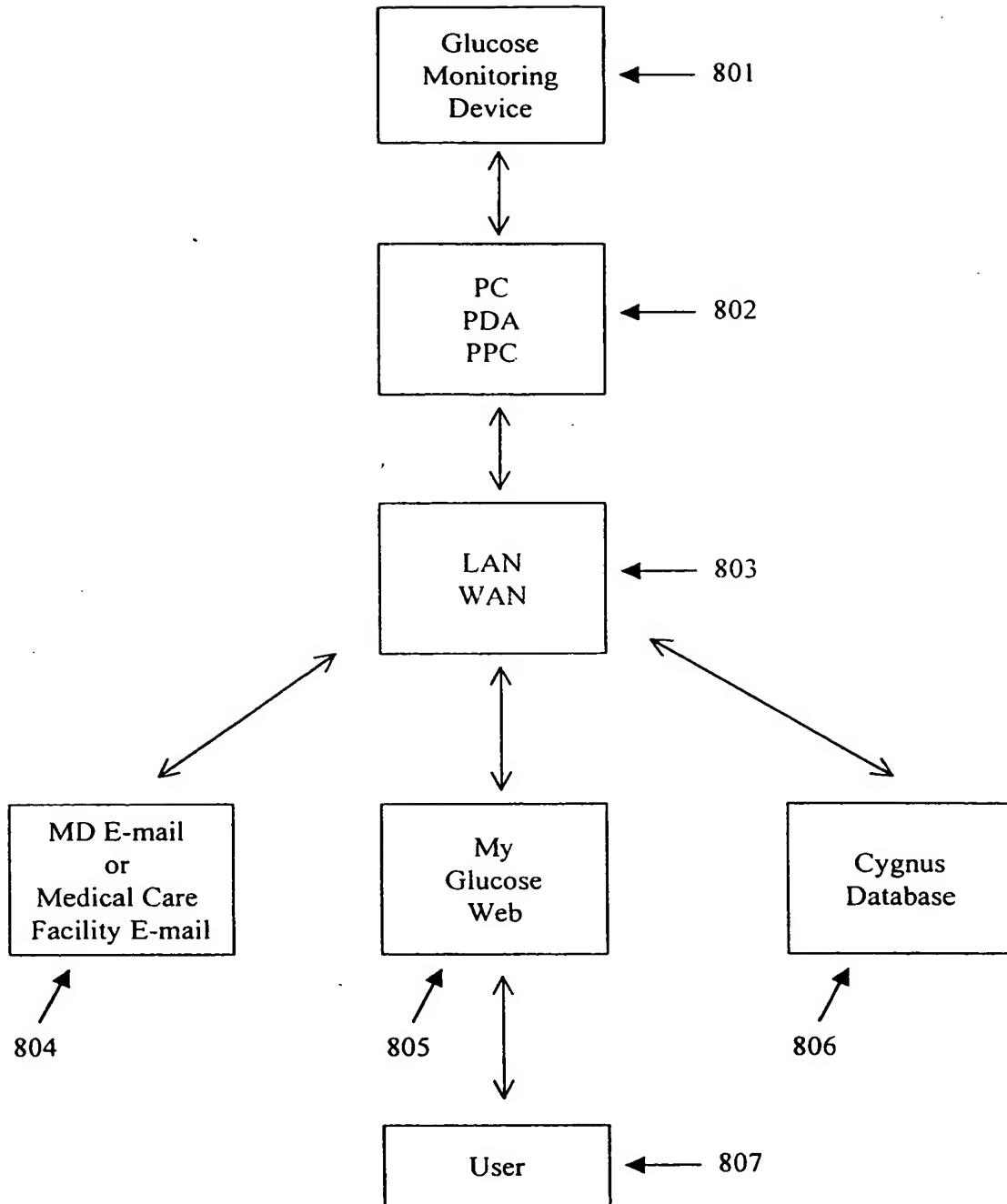


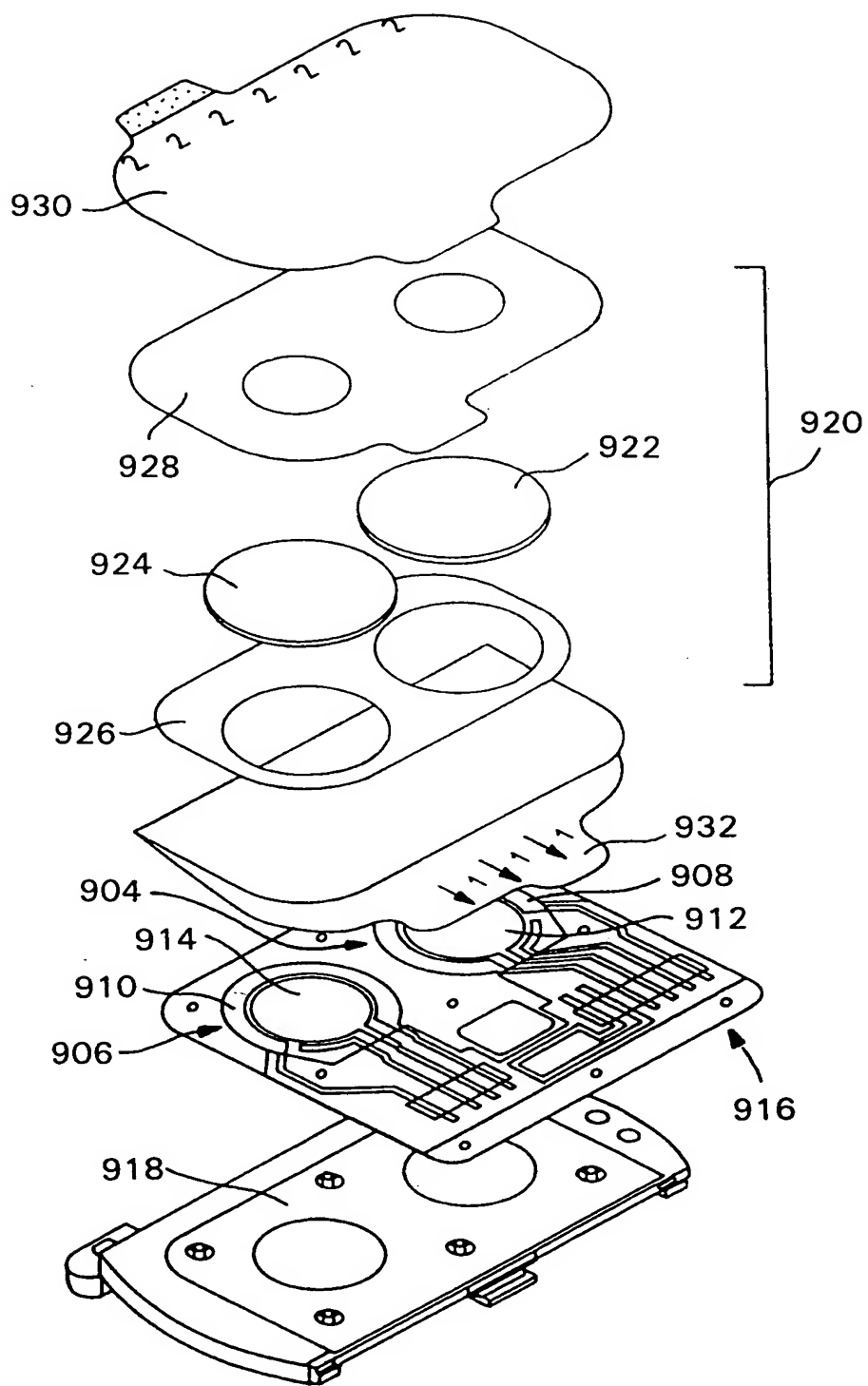
FIG. 6



**FIG. 7**



**FIG. 8**



**FIG. 9**